IEEE P802.15
Wireless Personal Area Networks

Project	IEEE P802.15 Working Group for Wireless Personal Area Networks (WPANs)
Title	Resolution with CID 75
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Re:	
Abstract	Adding subclause 5.5.1.4.2 Coexistence with CSK
Purpose	[TG 7 received about PHY header related comments in LB. This document is the response about PHY header comments]
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5.5.1.4.2 Co-existence of PHY Type 1 and PHY Type 2 with PHY Type 3

PHY Type 3 devices require PHY Type 1 or PHY Type 2 support for device discovery. Support for a PHY Type 1 or PHY Type 2 device shall be mandatory. After all devices in the network are discovered and if all of them support PHY Type 3 when their capabilities are exchanged, the coordinator can decide to switch to PHY Type 3 mode. In addition, all PHY Type 3 devices should match the operating bands for communication so that transmission on two bands do not fall within one filter band of the receiver. PHY Type 3 thus provides co-existence by providing priority to PHY Type 1 and PHY Type 2 devices.